

## LIQUID CRYSTAL PROJECTOR

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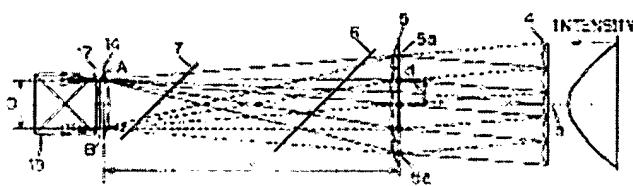
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### Abstract of JP11064848

**PROBLEM TO BE SOLVED:** To facilitate control of a coating characteristic, to suppress increase in the number of parts and to suppress color unevenness in a projection image by arranging a lens means making the most intense luminous flux in a light energy intensity distribution of light source light incident on an optical image synthetic means at a prescribed incident angle on an upstream side of an optical path to the optical image synthetic means.

**SOLUTION:** Field lenses 13-15 at every color irradiate respectively telecentrically color light at every color color-separated respectively by an R pass dichroic mirror 6 and a B pass dichroic mirror 7 on respective display surfaces of liquid crystal panels 16-18 at every color. In such a case, since the most intense luminous flux in the light energy intensity distribution of the light source light is made incident on a dichroic prism 19 at the prescribed incident angle, the focal distances of the field lenses 13-15 are set so that the most intense luminous flux being the center of the light energy intensity distribution most contributing to the projection image are made incident on the coating surface of the dichroic prism 19 at the incident angle of 45 deg..



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